

Abstract

The present invention relates to a fuel injector (5), particularly a fuel injector projecting directly into a combustion chamber of an internal combustion engine, having one fuel inlet (7), having an energizable actuating element (10, 11, 19) by which a valve-closure member (28) is able to be moved, having one fixed valve seat (27) with which the valve-closure member (28) cooperates for opening and closing the valve, and having one fuel outlet formed in a downstream valve end (8), the fuel outlet being formed by at least one discharge orifice (32) arranged downstream of the valve seat (27). The valve-seat element (26) having at least one discharge orifice (32) has on its downstream end face (54), at least in outlet area (55) of the discharge orifice (32), a coating which prevents coking in this region.